DÆDALUS

JOURNAL OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

Volume 127 of the Proceedings of the American Academy of Arts and Sciences, 1998

Contents
Index of Authors



Science in Culture

Number 1, Winter 1998

v	Preface
1	Gerald Holton Einstein and the Cultural Roots of Modern Science
45	Peter Galison The Americanization of Unity
73	Lorraine Daston Fear and Loathing of the Imagination in Science
97	Wendy Doniger and Gregory Spinner Misconceptions: Female Imaginations and Male Fantasies in Parental Imprinting
131	Edward O. Wilson Consilience Among the Great Branches of Learning
151	Steven Weinberg Physics and History
165	Bretislav Friedrich and Dudley Herschbach Space Quantization: Otto Stern's Lucky Star
193	E. H. Gombrich Eastern Inventions and Western Response
207	James Ackerman Leonardo da Vinci: Art in Science
225	Patricia Albjerg Graham Educational Dilemmas for Americans

The Brain

Number 2, Spring 1998

V	Preface
1	Vernon B. Mountcastle Brain Science at the Century's Ebb
37	Gerald M. Edelman Building a Picture of the Brain
71	Semir Zeki Art and the Brain
105	Richard S. J. Frackowiak The Functional Architecture of the Brain
131	Mark F. Bear and Leon N Cooper From Molecules to Mental States
145	Jean-Pierre Changeux Drug Use and Abuse
167	Alexander A. Borbély and Giulio Tononi The Quest for the Essence of Sleep
197	George L. Gabor Miklos The Evolution and Modification of Brains and Sensory Systems
217	Emilio Bizzi and Ferdinando A. Mussa-Ivaldi The Acquisition of Motor Behavior
233	Marcel Kinsbourne Unity and Diversity in the Human Brain: Evidence from Injury
257	Andy Clark Where Brain, Body, and World Collide

Early Modernities

Number 3, Summer 1998

Preface
Shmuel N. Eisenstadt and Wolfgang Schluchter
Introduction: Paths to Early Modernities— A Comparative View
Björn Wittrock
Early Modernities: Varieties and Transitions
Sheldon Pollock
India in the Vernacular Millennium: Literary Culture and Polity, 1000–1500
Sanjay Subrahmanyam
Hearing Voices: Vignettes of Early Modernity in South Asia, 1400–1750
David L. Howell
Territoriality and Collective Identity in Tokugawa Japan
Mary Elizabeth Berry
Public Life in Authoritarian Japan
Frederic Wakeman, Jr.
Boundaries of the Public Sphere in Ming and Qing China
Alexander Woodside
Territorial Order and Collective Identity Tensions in Confucian Asia: China, Vietnam, Korea
Bernhard Giesen
Cosmopolitans, Patriots, Jacobins, and Romantics
Víctor Pérez-Díaz

State and Public Sphere in Spain during the Ancient Regime

251

Education Yesterday, Education Tomorrow Number 4, Fall 1998

Numb	er 4, Fall 1998
v	Preface
1	Seymour B. Sarason Some Features of a Flawed Educational System
13	Karen Seashore Louis "A Light Feeling of Chaos": Educational Reform and Policy in the United States
41	Daniel W. Bromley Expectations, Incentives, and Performance in America's Schools
67	Robert L. Hampel A Generation in Crisis?
89	Lauren B. Resnick and Megan Williams Hall Learning Organizations for Sustainable Education Reform
119	Victoria J. Marsick Transformative Learning from Experience in the Knowledge Era
137	Daniel M. Fox and John M. Ludden Living but Not Dying by the Market: Recent Changes in Health Care
159	Wallace E. Huffman Modernizing Agriculture: A Continuing Process
187	Richard R. John The Politics of Innovation
215	Thomas P. Hughes Designing, Developing, and Reforming Systems
233	Kenneth G. Wilson and Constance K. Barsky Applied Research and Development: Support for Continuing Improvement in Education